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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/612,020	07/03/2003	Klaus Abraham-Fuchs	32860-000556/US	5473

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EXAMINER

BARBEE, MANUEL L

ART UNIT	PAPER NUMBER
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2857

DATE MAILED: 09/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/612,020

**Applicant(s)**

ABRAHAM-FUCHS ET AL.

**Examiner**

Manuel L. Barbee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 07 May 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 October 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)               | Paper No(s)/Mail Date. _____  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>7/3/03</u> .  | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

### ***Drawings***

1. The drawings are objected to because the drawings contain several blank boxes. Appropriate text labels should be added. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.
2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 14 in Figure 1. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action

to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Claim Objections***

3. Claims 9 and 26 are objected to because of the following informalities:

In claim 9, line 8 of the claim, after "automatically generating", insert "--by way of--" or "--from--".

In claim 26, line 2 of the claim, delete "at least one of".

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Stark et al. (WO 01/26548).

With regard to recording patient data, as shown in claims 1, 9, 15, 20 and 24, Stark et al. teach monitoring the completion of monitoring a patient's level of compliance

with an exercise treatment protocol (page 1, par. 2, page 9, par. 1 - page 10, page 17, par. 2 - page 18). With regard to providing a first database containing rules for linking patient data to proposals for modifying training programs, as shown in claims 1, 9, 15, 20, 24 and 25, Stark et al. teach a database with historical patient data used to generate treatment protocols and updated treatment protocols (page 13, par. 1 - page 14). With regard to automatically generating proposals for modifying or retaining the training program and outputting the training program on a data processing station, as shown in claims 1, 9, 15, 20, 24 and 25, Stark et al. teach an algorithm that monitors patient performance data and proposes modifications or adjustments to the treatment protocol which is communicated to a patient's handheld device (page 24, par. 1 - page 26, par. 4). With regard to taking into account reciprocal dependencies for success of training in different capability categories, as shown in claims 1 and 25, and taking into account other illnesses, as shown in claim 9, Stark et al. teach considering injury type and grade, patient demographics and past performance of the patient (page 25, par. 3, page 26, pars. 1-3).

With regard to generating organizational recommendations, as shown in claim 15, Stark et al. teach generating reports for insurance companies to facilitate efficiency and financial controls (page 23, par. 3). With regard to collective training data from a multiplicity of patients being made available, as shown in claim 20, Stark et al. teach a database with historical data from many patients (page 13, par. 1 - page 14, page 23, pars. 1, 2). With regard to comparing measured values with a stored comparative curve to generate a proposal and at least two subgroups of comparative patients are used, as

shown in claim 20, Stark et al. teach three curves for three different groups and comparing the patient's data with the curves to generate a proposal (page 26, pars. 1-3). With regard to a warning being produced when an unfavorable link between a patient's training program and patient data exists, as shown in claim 24, Stark et al. teach an alert when a patient deviates from the treatment protocol (page 17, par. 1). With regard to two data processing stations able to interchange data via a network, as shown in claim 25, Stark et al. teach a handheld computer in communication with a central computer (page 9, par. 1 - page 10, par. 1). Communication may be via the Internet or an intranet network (page 11, par. 2 - page 12).

With regard to confirming one of the generated proposals, as shown in claims 2, 10 and 16, Stark et al. teach allowing a treatment professional to indicate approval for a protocol (page 29, par. 1; Fig. 10). With regard to a warning being produced when an unfavorable link between a patient's training program and patient data exists, as shown in claim 3, Stark et al. teach an alert when a patient deviates from the treatment protocol (page 17, par. 1). With regard to retrieving patient data from a second database, as shown in claims 4, 11, 17 and 21, Stark et al. teach storing and retrieving the case history of a patient or patients in a database (page 13, par. 1 - page 14). With regard to recording the measured values, as shown in claims 5, 12, 18 and 22, Stark et al. teach automatically recording data (page 19, par 2 - page 20).

With regard to recording and updating patient data during the training program, as shown in claims 6, 13, 19 and 23, Stark et al. teach transmitting recorded patient data to a central server to generate a report and update the treatment protocol (page

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20, par. 2 - page 22, par. 2). With regard to generating organizational recommendations, as shown in claims 7 and 14, Stark et al. teach generating reports for insurance companies to facilitate efficiency and financial controls (page 23, par. 3). With regard to taking into account other illnesses, as shown in claims 8 and 27, Stark et al. teach considering injury type and grade, patient demographics and past performance of the patient (page 25, par. 3, page 26, pars. 1-3). With regard to a second data processing station connected to at least measured-value sensor and includes modules for computer-assisted testing of the patient, as shown in claim 26, Stark et al. teach a handheld computer connected to a personal orthopedic restraining device that includes a transducer for recording patient movement (page 9, par. 1 - page 10).

### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Khavari (US Patent No. 5,706,822) teaches a method for creating individualized exercise protocols.

Casler (US Patent No. 6,626,800) teach exercise prescription and evaluation.

Nashner (US Patent No. 6,632,158) teaches monitoring of training programs.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Manuel L. Barbee whose telephone number is 571-272-2212. The examiner can normally be reached on Monday-Friday from 8-4:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc S. Hoff can be reached on 571-272-2216. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

mlb

